

2nd QUARTER RESURVEY
REPORT OF SUBSIDENCE SURVEY
JACKPILE MINE
LAGUNA, NEW MEXICO

RECEIVED

AUG 12 1977

U. S. Geological Survey
Carlsbad, N. M.

Confidential Claim Retracted

Authorized by: SC

Date: 6/24/13

Prepared by Marmon Engineering Surveys
Laguna, New Mexico

July 1, 1977

RECEIVED
AUG 17 1977

U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

9404343

POL-EPA01-0005596

CONFIDENTIAL

REPORT OF ADDITIONAL SUBSIDENCE STATIONS ESTABLISHED
THIS SURVEY.

Eight new stations, 35N, 36N, 37N, 38N, 39S, 40S, 41S and 42S were established and incorporated into the subsidence survey system during this quarter survey.

The eight stations are identical in construction to the previously established stations, and their horizontal and vertical positions were determined by ties to the control quadrilateral.

The new stations are approximately 1.2 miles northeast of the first group of stations, and are positioned at intervals of 100 feet in groups of four on each side of State Road 279.

ANACONDA SUBSIDENCE SURVEY JACKPILE MINE, LAGUNA, NEW MEXICO

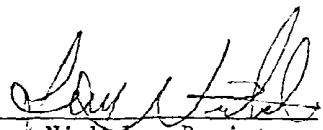
DATE OF SURVEY: July 1, 1977

MARMON ENGINEERING SURVEYS

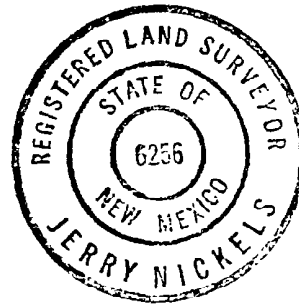
STATION	NORTH	EAST	DELTA INIT.		ELEVATION	DELTA INIT.
			N	E		
1 N	1,001,855.730	990,225.745	-0.078	+0.025	6281.595	-0.016
2 N	1,001,877.345	990,128.188	-0.038	-0.025	6288.530	-0.020
3 N	1,001,898.947	990,030.612	-0.048	-0.006	6293.555	-0.042
4 N	1,001,921.680	989,933.240	-0.041	-0.091	6303.745	-0.034
5 N	1,001,941.947	989,835.674	-0.002	+0.021	6315.637	-0.042
6 N	1,001,963.570	989,738.056	+0.007	+0.039	6313.793	-0.024
7 N	1,001,985.001	989,640.854	-0.047	+0.037	6325.245	-0.029
8 N	1,002,006.566	989,543.233	-0.008	+0.018	6333.108	-0.009
9 N	1,002,029.738	989,446.090	-0.034	+0.110	6346.798	-0.009
10 N	1,002,057.894	989,350.329	-0.010	-0.004	6356.410	-0.009
11 S	Destroyed					
12 S	1,001,883.659	989,413.336	+0.007	+0.023	6355.770	-0.020
13 S	1,001,860.487	989,510.585	-0.030	+0.016	6349.500	+0.013
14 S	1,001,838.935	989,608.181	-0.029	+0.025	6349.070	+0.004
15 S	1,001,817.409	989,705.639	-0.053	+0.058	6329.372	-0.010
16 S	1,001,795.882	989,803.059	-0.023	-0.004	6319.267	-0.012
17 S	1,001,774.479	989,900.573	+0.016	-0.023	6317.517	-0.005
18 S	Destroyed					
19 S	1,001,731.324	990,095.619	-0.023	-0.035	6303.907	-0.017
20 S	1,001,709.750	990,193.225	-0.067	+0.002	6297.390	-0.046
21 E	1,002,413.840	988,801.707	-0.075	+0.075	6374.502	-0.050
22 E	1,002,488.038	988,735.141	-0.031	-0.030	6374.378	-0.073
23 E	1,002,567.961	988,675.173	-0.013	+0.067	6370.071	-0.026
24 E	1,002,651.977	988,621.027	-0.006	+0.002	6372.253	-0.025
25 E	1,002,739.823	988,573.347	-0.009	+0.028	6375.042	-0.022
26 E	1,002,830.991	988,532.245	-0.031	+0.030	6375.338	-0.006
27 E	1,002,925.973	988,498.734	+0.005	+0.029	6362.626	-0.042
28 W	1,002,820.799	988,322.306	+0.055	+0.008	6382.043	-0.013
29 W	1,002,727.722	988,358.817	+0.050	-0.003	6389.713	+0.006
30 W	1,002,637.277	988,401.341	+0.006	-0.001	6396.227	-0.046
31 W	1,002,549.585	988,449.428	-0.061	+0.004	6390.170	+0.004
32 W	1,002,465.320	988,503.120	-0.056	-0.012	6396.555	-0.009
33 W	1,002,384.610	988,562.128	-0.071	-0.010	6397.540	+0.009
34 W	1,002,307.922	988,626.189	-0.044	+0.014	6395.121	+0.007
New Stations, First Survey						
35 N	1,007,915.919	992,533.789	+0.000	+0.000	6093.053	+0.000
36 N	1,007,959.732	992,623.401	+0.000	+0.000	6089.604	+0.000
37 N	1,008,006.171	992,712.086	+0.000	+0.000	6086.071	+0.000
38 N	1,008,055.693	992,798.805	+0.000	+0.000	6079.042	+0.000
39 S	1,007,782.298	992,601.697	+0.000	+0.000	6095.013	+0.000
40 S	1,007,826.104	992,691.476	+0.000	+0.000	6095.887	+0.000
41 S	1,007,886.870	992,773.032	+0.000	+0.000	6093.260	+0.000
42 S	1,007,928.839	992,864.050	+0.000	+0.000	6084.838	+0.000

Certification

This is to certify that the data contained within this report was derived from actual field surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.


Jerry Nickels, Registered
Land Surveyor, Certificate
No. 6256

July 1, 1977



5-6-77

State of New Mexico
HEALTH and SOCIAL SERVICES DEPARTMENTSCIENTIFIC
LABORATORY SYSTEMMICROBIOLOGICAL
WATER REPORTSLS user code No.
64201

T-16

Type - Print with ball-point pen. See back of first copy for important information. Please give full information to avoid report delay.

Water Supply System name JACK PILE	WSS Code No. -	County name Valencia	Date received 5-2-77	Time received 2:00
Date collected 5/2/77	Time collected 9:10	Collected by J.R.	Lab. No. 5527	
Collection point NEW SHOP WELL	DISINFECTED? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		RESULTS of TESTS for COLIFORM GROUP	
System owner Anaconda Company	RESIDUAL: mg/L		COMPLETED	
<input type="checkbox"/> PUBLIC - Community		<input type="checkbox"/> Swimming Pool	<input type="checkbox"/> PRIVATE	
<input checked="" type="checkbox"/> PUBLIC - Non-Community		<input type="checkbox"/> Other:		
<input checked="" type="checkbox"/> ROUTINE Sample		<input type="checkbox"/> CHECK Sample	<input type="checkbox"/> SPECIAL	
Environmental survey completed?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
TEST REQUIRED - CHECK ONE				
<input checked="" type="checkbox"/> Potability - Coliform Group				
<input type="checkbox"/> Fecal Coliform				

SEND REPORT to the following (Name and Address)

The Anaconda Company
Mr. T. R. Beck - Manager
P. O. Box 638
Grants, NM 87020

SLS 008 Form Revised 5/76 (Replaces EIA 005)

DISTRIBUTION:
WHITE: WS Reg. Santa Fe

CANARY: WS System PINK: EIA Regional Field Office

Analyst **W3** Date reported **5/4/77**State of New Mexico
HEALTH and SOCIAL SERVICES DEPARTMENTSCIENTIFIC
LABORATORY SYSTEMMICROBIOLOGICAL
WATER REPORTSLS user code No.
64201

Type - Print with ball-point pen. See back of first copy for important information. Please give full information to avoid report delay.

Water Supply System name JACK PILE	WSS Code No. -	County name Valencia	Date received 5-2-77	Time received 2:00
Date collected 5/2/77	Time collected 9:00	Collected by J.R.	Lab. No. 5526	
Collection point P-10	DISINFECTED? <input type="checkbox"/> Yes <input type="checkbox"/> No		RESULTS of TESTS for COLIFORM GROUP	
System owner Anaconda Company	RESIDUAL: mg/L		COMPLETED	
<input type="checkbox"/> PUBLIC - Community		<input type="checkbox"/> Swimming Pool	<input type="checkbox"/> PRIVATE	
<input checked="" type="checkbox"/> PUBLIC - Non-Community		<input type="checkbox"/> Other:		
<input checked="" type="checkbox"/> ROUTINE Sample		<input type="checkbox"/> CHECK Sample	<input type="checkbox"/> SPECIAL	
Environmental survey completed?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
TEST REQUIRED - CHECK ONE				
<input checked="" type="checkbox"/> Potability - Coliform Group				
<input type="checkbox"/> Fecal Coliform				

SEND REPORT to the following (Name and Address)

The Anaconda Company
Mr. T. R. Beck - Manager
P. O. Box 638
Grants, NM 87020

SLS 008 Form Revised 5/76 (Replaces EIA 005)

DISTRIBUTION:
WHITE: WS Reg. Santa Fe

CANARY: WS System PINK: EIA Regional Field Office

Analyst **W3** Date reported **5/4/77**

THE ANACONDA COMPANY
WATER ANALYSIS

[illegible]

CONFIDENTIAL

POL-EPA01-0005601

RECEIVED

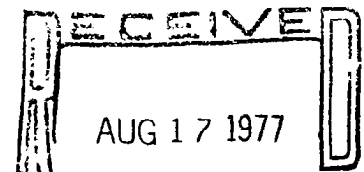
AUG 12 1977

U. S. Geological Survey
Carlsbad, N. M.

WATER PUMPED

2nd Quarter 1977

	<u>Gallons</u>
P-10 Well	982,000
New Shop Well	1,288,000
P-10 Mine	21,571,000



U S GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

POL-EPA01-0005602

CONFIDENTIAL